Contents of Volume 150

NUMBER 1 MARCH

Papers from the Symposium
Archaeology: New Techniques and Methods
9 November 2002

New Techniques of Archaeology and Greek Shipwrecks of the Sixth and Fifth Centuries BC
GEORGE F. BASS 1

The Contributions of the Sciences to the Discovery of Ancient Rural Civilization
JOSEPH COLEMAN CARTER 15

Roman Surveyors in Corinth
DAVID GILMAN ROMANO 62

The Origin and Virulence of the 1918 "Spanish" Influenza Virus
JEFFERY K. TAUBENBERGER 86

* * *

The Inconstant Sun
CLAUDIO VITA-FINZI 113

Stem Cells: Biology, Transplantation, and Political Ethics
IRVING L. WEISSMAN 121

BIOGRAPHICAL MEMOIRS

Horace Welcome Babcock
ALLAN SANDAGE 151

Derk Bodde
CHARLES LE BLANC 161

David Bodian
ELIZABETH FEE AND MANON PARRY 167

Edward C. Carter II
MARY MAPLES DUNN, RICHARD S. DUNN, AND JOHN C. VAN HORNE 173

Contents of Volume 150

NUMBER 1 MARCH

Papers from the Symposium
Archaeology: New Techniques and Methods
9 November 2002

New Techniques of Archaeology and Greek Shipwrecks of the Sixth and Fifth Centuries BC
GEORGE F. BASS 1

The Contributions of the Sciences to the Discovery of Ancient Rural Civilization
JOSEPH COLEMAN CARTER 15

Roman Surveyors in Corinth
DAVID GILMAN ROMANO 62

The Origin and Virulence of the 1918 "Spanish" Influenza Virus
JEFFERY K. TAUBENBERGER 86

* * *

The Inconstant Sun
CLAUDIO VITA-FINZI 113

Stem Cells: Biology, Transplantation, and Political Ethics
IRVING L. WEISSMAN 121

BIOGRAPHICAL MEMOIRS

Horace Welcome Babcock
ALLAN SANDAGE 151

Derk Bodde
CHARLES LE BLANC 161

David Bodian
ELIZABETH FEE AND MANON PARRY 167

Edward C. Carter II
MARY MAPLES DUNN, RICHARD S. DUNN, AND JOHN C. VAN HORNE 173

Robert Henry Dicke
W. Happer and P. J. E. Peebles 181

John Dunlop
George P. Shultz 187

Ralph Landau
Dale W. Jorgenson 191

Edward Said
Michael Wood. 197

William Hamilton Sewell
Robert M. Hauser, Charles Camic, and Colleagues . . 201

NUMBER 2 JUNE

From the "Fur Cap" to Poor Richard:
The Chinese Connection
Nian-Sheng Huang 205

International Criminal Courts: Some Kudos and Concerns
Patricia M. Wald 241

French Identity in Flux: Vichy's Collaboration,
and Antigone's Operatic Triumph
Jane F. Fulcher. 261

Writing Mount Auburn: Language, Landscape, and Place
William W. Stowe 296

Opportunity in a Democratic Society:
Race and Economic Status in Higher Education
Richard C. Atkinson and Patricia A. Pelfrey 318

BIOGRAPHICAL MEMOIRS

H. G. Baker
Suzanne Koptur 335

Lawrence Bogorad
J. Woodland Hastings and Laurens Mets. 341

Daniel J. Boorstin
Edmund S. Morgan 347

Donald Davidson
Patrick Suppes 353

Roland Mushat Frye
JAROSLAV J. PELIKAN 361

Herman Heine Goldstine
RALPH E. GOMORY AND ARLIN M. ADAMS 367

Edward B. Lewis
HOWARD D. LIPSHITZ 379

John Rodgers
WILLIE RUFF 397

Marshall N. Rosenbluth
FREEMAN DYSON 403

NUMBER 3 SEPTEMBER

"To Acquire What Knolege You Can": Thomas Jefferson as Exploration Patron and Planner
JAMES P. RONDA 409

Computer Modeling the Twentieth- and Twenty-First-Century Climate
WARREN M. WASHINGTON 414

Marvels of Bacterial Behavior
HOWARD C. BERG 428

Found in Translation: Travels Between Languages
MICHAEL WOOD 443

Mark Twain's Humor—With Examples
ROBERT L. MIDDLEKAUFF 449

BIOGRAPHICAL MEMOIRS

William J. Bouwsma
THOMAS A. BRADY JR. 457

Archibald Cox
DEREK BOK 461

Francis Crick
GUNTHER S. STENT 467

The 11th Duke of Devonshire
KENNETH ROSE 475

Thomas Gold
EDWIN E. SALPETER 479

Pendleton Herring
FRED I. GREENSTEIN AND AUSTIN RANNEY 487

Joseph Irwin Miller
WILL MILLER 493

John Alexander Simpson
EUGENE N. PARKER 499

Lyman Spitzer Jr.
JEREMIAH P. OSTRIKER 505

Evon Zartman Vogt Jr.
VICTORIA R. BRICKER 517

NUMBER 4 DECEMBER

Papers Presented at the April 2006 Annual General Meeting Celebrating the Franklin Tercentenary

Faraday and Franklin
SIR JOHN MEURIG THOMAS 523

Franklin's Vision
AHMED H. ZEWAIL 542

Benjamin Franklin: Printed Corrections and Erasable Writing
PETER STALLYBRASS 553

Great Minds
WALTER ISAACSON 568

Franklin and Fragonard
PIERRE ROSENBERG 575

Benjamin Franklin and the Edinburgh Enlightenment
SIR MICHAEL ATIYAH 591

Plus and Minus: Franklin's Zero-Sum Way of Thinking
J. L. HEILBRON 607

Franklin and Slavery
GARY B. NASH 618

The Art of the Anniversary: Ben Franklin at Three Hundred
ROSALIND REMER 636

On How to Fit Benjamin Franklin into Eight Thousand Square Feet
PAGE TALBOTT 643

BIOGRAPHICAL MEMOIRS

Hannes Alfvén
CARL-GUNNE FÄLTHAMMAR AND ALEXANDER J. DESSLER. . . 649

Sir Isaiah Berlin
JAMES H. BILLINGTON, ARTHUR SCHLESINGER JR., AND ROBERT WOKLER 663

Sir John Carew Eccles
SIR JOHN SCOTT 673

Arthur Stanley Link
JOHN MILTON COOPER JR. 679

Keith Roberts Porter
LEE D. PEACHEY 685

David Bicknell Truman
RICHARD A. JOHNSON. 697

Members Elected in 2006 703

Deaths of Members Recorded Through 25 November 2006 . . . 705

Contents of Volume 150 706

Index to Volume 150 711

INDEX TO VOLUME 150

ADAMS, ARLIN M., Herman Heine Goldstine memoir, 367
Affirmative action, and education (Atkinson and Pelfrey), 318
Alfvén, Hannes, biographical memoir (Fälthammar and Dessler), 649
American Philosophical Society, and Herman Heine Goldstine (Gomory and Adams), 367
Anthropology, and Evon Zartman Vogt Jr. (Bricker), 517
Antigone, Arthur Honegger, and Vichy (Fulcher), 261
APS Library, and Edward C. Carter II (Dunn, Dunn, and Van Horne), 173
Archaeology, new techniques and methods, symposium on; and shipwrecks (Bass), 1; and the sciences (Carter), 15; and Roman surveyors (Romano), 62; and "Spanish" influenza (Taubenberger), 86
Architecture, and Joseph Irwin Miller (Miller), 493
Aristocracy, and the 11th duke of Devonshire (Rose), 475
Art of the Anniversary: Ben Franklin at Three Hundred (Remer), 636
Astronomy, and Horace Welcome Babcock (Sandage), 151; and Thomas Gold (Salpeter), 479
Astrophysics, and John Alexander Simpson (Parker), 499; and Lyman Spitzer Jr. (Ostriker), 505
ATIYAH, SIR MICHAEL, Benjamin Franklin and the Edinburgh Enlightenment, 591
ATKINSON, RICHARD C., Opportunity in a Democratic Society: Race and Economic Status in Higher Education, 318

Babcock, Horace Welcome, biographical memoir (Sandage), 151
Bacteria, behavior of (Berg), 428
Baker, H. G., biographical memoir (Koptur), 335
BASS, GEORGE F., New Techniques in Archaeology and Greek Shipwrecks of the Sixth and Fifth Centuries BC, 1
Benjamin Franklin: Printed Corrections and Erasable Writing (Stallybrass), 553
Benjamin Franklin and the Edinburgh Enlightenment (Atiyah), 591
BERG, HOWARD C., Marvels of Bacterial Behavior, 428
Berlin, Sir Isaiah, biographical memoir (Billington, Schlesinger, and Wokler), 663
BILLINGTON, JAMES H., Sir Isaiah Berlin memoir, 663
Biology, and stem cells (Weissman), 121; and polio, and David Bodian (Fee and Parry), 167; and Lawrence Bogorad (Hastings and Mets), 341; and Keith Roberts Porter (Peachey), 685
Bodde, Derk, biographical memoir (Le Blanc), 161
Bodian, David, biographical memoir (Fee and Parry), 167
Bogorad, Lawrence, biographical memoir (Hastings and Mets), 341
BOK, DEREK, Archibald Cox memoir, 461
Boorstin, Daniel J., biographical memoir (Morgan), 347
Botany, and H. G. Baker (Koptur), 335
Bouwsma, William J., biographical memoir (Brady), 457
BRADY, THOMAS A., JR., William J. Bouwsma memoir, 457
BRICKER, VICTORIA R., Evon Zartman Vogt Jr. memoir, 517

CAMIC, CHARLES, William Hamilton Sewell memoir, 201
Carter, Edward C., II, biographical memoir (Dunn, Dunn, and Van Horne), 173
CARTER, JOSEPH COLEMAN, The Contributions of the Sciences to the Discovery of Ancient Rural Civilization, 15
Cell biology, and Keith Roberts Porter (Peachey), 685
Cemeteries, and Mount Auburn (Stowe), 296
Chemistry, and Ralph Landau (Jorgenson), 191
China, and scholarship, and Derk Bodde (Le Blanc), 161; and Benjamin Franklin (Huang), 205
Climate, and computer modeling (Washington), 414
Computer Modeling the Twentieth- and Twenty-First-Century Climate (Washington), 414
Computers, and Herman Heine Goldstine (Gomory and Adams), 367; and climate (Washington), 414
Consciousness, and Francis Crick (Stent), 467
Contributions of the Sciences to the Discovery of Ancient Rural Civilization (Carter), 15
COOPER, JOHN MILTON, JR., Arthur Stanley Link memoir, 679
Corinth, and Roman surveyors (Romano), 62
Cosmic rays, and John Alexander Simpson (Parker), 499
Courts, and international justice (Wald), 241
Cox, Archibald, biographical memoir (Bok), 461
Crick, Francis, biographical memoir (Stent), 467

Davidson, Donald, biographical memoir (Suppes), 353
Deaths of Members Recorded Through 25 November 2006, 705
DESSLER, ALEXANDER J., Hannes Alfvén memoir, 649
Devonshire, 11th duke of, biographical memoir (Rose), 475
Dicke, Robert Henry, biographical memoir (Happer and Peebles), 181

DNA, and Francis Crick (Stent), 467
Drosophila, and Edward B. Lewis (Lipshitz), 379
Dunlop, John, biographical memoir (Shultz), 187
DUNN, MARY MAPLES, Edward C. Carter II memoir, 173
DUNN, RICHARD S., Edward C. Carter II memoir, 173
DYSON, FREEMAN, Marshall N. Rosenbluth memoir, 403

Ear, physiology of, and Thomas Gold (Salpeter), 479
Eccles, Sir John Carew, biographical memoir (Scott), 673
Economics, and John Dunlop (Shultz), 187; and Ralph Landau (Jorgenson), 191
Edinburgh, and Enlightenment, and Benjamin Franklin (Atiyah), 591
Education, and opportunity (Atkinson and Pelfrey), 318
Einstein, Albert, and Benjamin Franklin (Isaacson), 568
Enlightenment, and Edinburgh, and Benjamin Franklin (Atiyah), 591; and Sir Isaiah Berlin (Billington, Schlesinger, and Wokler), 663
Erasable writing, and Franklin (Stallybrass), 553
European History, and William J. Bouwsma (Brady), 457
Exploration, and Thomas Jefferson (Ronda), 409

FÄLTHAMMAR, CARL-GUNNE, Hannes Alfvén memoir, 649
Faraday, Michael, and Benjamin Franklin (Thomas), 523
Faraday and Franklin (Thomas), 523
FEE, ELIZABETH, David Bodian memoir, 167
Found in Translation: Travels Between Languages (Wood), 443
Fragonard, Jean-Honoré, and Benjamin Franklin (Rosenberg), 575
France, and Vichy, and opera (Fulcher), 261
Franklin, Benjamin, and China (Huang), 205; and Mark Twain (Middlekauff), 449; and Michael Faraday (Thomas), 523; and vision (Zewail), 542; and printed corrections, and erasable writing (Stallybrass), 553; and Albert Einstein (Isaacson), 568; and Jean-Honoré Fragonard (Rosenberg), 575; and the Edinburgh Enlightenment (Atiyah), 591; and zero-sum thinking (Heilbron), 607; and slavery (Nash), 618; and Tercentenary, and planning (Remer), 636; and Tercentenary, and *Benjamin Franklin: In Search of a Better World* (Talbott), 643
Franklin and Fragonard (Rosenberg), 575
Franklin and Slavery (Nash), 618
Franklin Tercentenary Papers (Thomas, Zewail, Stallybrass, Isaacson, Rosenberg, Atiyah, Heilbron, Nash, Remer, and Talbott), 523
Franklin's Vision (Zewail), 542
French Identity in Flux: Vichy's Collaboration, and Antigone's Operatic Triumph (Fulcher), 261
From the "Fur Cap" to Poor Richard: The Chinese Connection (Huang), 205
Frye, Roland Mushat, biographical memoir (Pelikan), 361
FULCHER, JANE F., French Identity in Flux: Vichy's Collaboration, and Antigone's Operatic Triumph, 261

Genetics, and Edward B. Lewis (Lipshitz), 379
Geology, and John Rodgers (Ruff), 397
Gold, Thomas, biographical memoir (Salpeter), 479
Goldstine, Herman Heine, biographical memoir (Gomory and Adams), 367
GOMORY, RALPH E., Herman Heine Goldstine memoir, 367
Gravity, and Robert Henry Dicke (Happer and Peebles), 181
Great Britain, and the 11th duke of Devonshire (Rose), 475
Great Minds (Isaacson), 568
GREENSTEIN, FRED I., Pendleton Herring memoir, 487

HAPPER, W., Robert Henry Dicke memoir, 181
Harvard University, and Archibald Cox (Bok), 461
HASTINGS, J. WOODLAND, Lawrence Bogorad memoir, 341
HAUSER, ROBERT M., William Hamilton Sewell memoir, 201
HEILBRON, J. L., Plus and Minus: Franklin's Zero-Sum Way of Thinking, 607
Herring, Pendleton, biographical memoir (Greenstein and Ranney), 487
History, and Daniel J. Boorstin (Morgan), 347
Honegger, Arthur, and Vichy (Fulcher), 261
HUANG, NIAN-SHENG, From the "Fur Cap" to Poor Richard: The Chinese Connection, 205
Humor, and Mark Twain (Middlekauff), 449

Inconstant Sun (Vita-Finzi), 113
Influenza, and archaeology (Taubenberger), 86
International Criminal Courts: Some Kudos and Concerns (Wald), 241
ISAACSON, WALTER, Great Minds, 568

Jefferson, Thomas, and exploration (Ronda), 409
JOHNSON, RICHARD A., David Bicknell Truman memoir, 697
JORGENSON, DALE W., Ralph Landau memoir, 191

KOPTUR, SUZANNE, H. G. Baker memoir, 335

Landau, Ralph, biographical memoir (Jorgenson), 191
Latrobe, Benjamin Henry, and Edward C. Carter II (Dunn, Dunn, and Van Horne), 173
Lay, Benjamin, and slavery, and Franklin (Nash), 618

LE BLANC, CHARLES, Derk Bodde memoir, 161
Legal studies, and Archibald Cox (Bok), 461
Lewis, Edward B., biographical memoir (Lipshitz), 379
Library of Congress, and Daniel J. Boorstin (Morgan), 347
Life, origin of, and Francis Crick (Stent), 467
Link, Arthur Stanley, biographical memoir (Cooper), 679
LIPSHITZ, HOWARD D., Edward B. Lewis memoir, 379
Literature, and Edward Said (Wood), 197
Literature, English, and Roland Mushat Frye (Pelikan), 361
Los Alamos, and Marshall N. Rosenbluth (Dyson), 403

Mark Twain's Humor—With Examples (Middlekauff), 449
Marvels of Bacterial Behavior (Berg), 428
Maya, and Evon Zartman Vogt Jr. (Bricker), 517
Medical ethics, and stem cells (Weissman), 121
Members Elected in 2006, 703
METS, LAURENS, Lawrence Bogorad memoir, 341
MIDDLEKAUFF, ROBERT L., Mark Twain's Humor—With Examples, 449
Miller, Joseph Irwin, biographical memoir (Miller), 493
MILLER, WILL, Joseph Irwin Miller memoir, 493
Milton, and Roland Mushat Frye (Pelikan), 361
MORGAN, EDMUND S., Daniel J. Boorstin memoir, 347
Mount Auburn Cemetery (Stowe), 296
Music, and John Rodgers (Ruff), 397

NASH, GARY B., Franklin and Slavery, 618
Neurophysiology, and Sir John Carew Eccles (Scott), 673
New Techniques of Archaeology and Greek Shipwrecks of the Sixth and Fifth Centuries BC (Bass), 1

On How to Fit Benjamin Franklin into Eight Thousand Square Feet (Talbott), 643
Opportunity in a Democratic Society: Race and Economic Status in Higher Education (Atkinson and Pelfrey), 318
Origin and Virulence of the 1918 "Spanish" Influenza Virus (Taubenberger), 86
OSTRIKER, JEREMIAH P., Lyman Spitzer Jr. memoir, 505

Palestinians, and Edward Said (Wood), 197
PARKER, EUGENE N., John Alexander Simpson memoir, 499
PARRY, MANON, David Bodian memoir, 167
PEACHEY, LEE D., Keith Roberts Porter memoir, 685
PEEBLES, P. J. E., Robert Henry Dicke memoir, 181
PELFREY, PATRICIA A., Opportunity in a Democratic Society: Race and Economic Status in Higher Education, 318
PELIKAN, JAROSLAV J., Roland Mushat Frye memoir, 361
Philosophy, and Donald Davidson (Suppes), 353; and Sir Isaiah Berlin (Billington, Schlesinger, and Wokler), 663
Physics, and Robert Henry Dicke (Happer and Peebles), 181; and Marshall N. Rosenbluth (Dyson), 403; and John Alexander Simpson (Parker), 499
Physiology, and Sir John Carew Eccles (Scott), 673
Plant biology, and Lawrence Bogorad (Hastings and Mets), 341
Plasma instability, and Marshall N. Rosenbluth (Dyson), 403
Plasma physics, and Lyman Spitzer Jr. (Ostriker), 505; and Hannes Alfvén (Fälthammar and Dessler), 649
Plus and Minus: Franklin's Zero-Sum Way of Thinking (Heilbron), 607
Polio, and David Bodian (Fee and Parry), 167
Political science, and Pendleton Herring (Greenstein and Ranney), 487; and David Bicknell Truman (Johnson), 697
Porter, Keith Roberts, biographical memoir (Peachey), 685
Printing corrections, and Franklin (Stallybrass), 553

Quine, Willard V. O., and Donald Davidson (Suppes), 353

Radar, and Robert Henry Dicke (Happer and Peebles), 181
RANNEY, AUSTIN, Pendleton Herring memoir, 487
Reformation history, and William J. Bouwsma (Brady), 457
Religion, and Joseph Irwin Miller (Miller), 493
REMER, ROSALIND, The Art of the Anniversary: Ben Franklin at Three Hundred, 636
Renaissance history, and William J. Bouwsma (Brady), 457
Rodgers, John, biographical memoir (Ruff), 397
Roman Surveyors in Corinth (Romano), 62
ROMANO, DAVID GILMAN, Roman Surveyors in Corinth, 62
RONDA, JAMES P., "To Acquire What Knolege You Can": Thomas Jefferson as Exploration Patron and Planner, 409
ROSE, KENNETH, 11th duke of Devonshire memoir, 475
ROSENBERG, PIERRE, Franklin and Fragonard, 575
Rosenbluth, Marshall N., biographical memoir (Dyson), 403
RUFF, WILLIE, John Rodgers memoir, 397
Rural settlements, and archaeology (Carter), 15
Russia, and Sir Isaiah Berlin (Billington, Schlesinger, and Wokler), 663

Said, Edward, biographical memoir (Wood), 197
SALPETER, EDWIN E., Thomas Gold memoir, 479

SANDAGE, ALLAN, Horace Welcome Babcock memoir, 151
SCHLESINGER, ARTHUR, JR., Sir Isaiah Berlin memoir, 663
Scientific techniques, and archaeology (Carter), 15
SCOTT, SIR JOHN, Sir John Carew Eccles memoir, 673
Sewell, William Hamilton, biographical memoir (Hauser, Camic, and colleagues), 201
Shakespeare, and Roland Mushat Frye (Pelikan), 361
Shipwrecks, and archaeology (Bass), 1
SHULTZ, GEORGE P., John Dunlop memoir, 187
Simpson, John Alexander, biographical memoir (Parker), 499
Slavery, and Benjamin Franklin (Nash), 618
Sociology, and William Hamilton Sewell (Hauser, Camic, and Colleagues), 201
Spitzer, Lyman, Jr., biographical memoir (Ostriker), 505
STALLYBRASS, PETER, Benjamin Franklin: Printed Corrections and Erasable Writing, 553
Stem Cells: Biology, Transplantation, and Political Ethics (Weissman), 121
STENT, GUNTHER S., Francis Crick memoir, 467
STOWE, WILLIAM W., Writing Mount Auburn: Language, Landscape, and Place, 296
Student protests, and Daniel J. Boorstin (Morgan), 347; and David Bicknell Truman (Johnson), 697
Sun, and inconstancy (Vita-Finzi), 113
SUPPES, PATRICK, Donald Davidson memoir, 353
Surveyors, and ancient Corinth (Romano), 62

TALBOTT, PAGE, On How to Fit Benjamin Franklin into Eight Thousand Square Feet, 643
TAUBENBERGER, JEFFERY K., The Origin and Virulence of the 1918 "Spanish" Influenza Virus, 86
THOMAS, SIR JOHN MEURIG, Faraday and Franklin, 523
Time, arrow of, and Thomas Gold (Salpeter), 479
"To Acquire What Knolege You Can": Thomas Jefferson as Exploration Patron and Planner (Ronda), 409
Translation, and languages (Wood), 443
Tropical biology, and H. G. Baker (Koptur), 335
Truman, David Bicknell, biographical memoir (Johnson), 697
Twain, Mark, and humor (Middlekauff), 449

U.S. history, and Arthur Stanley Link (Cooper), 679

VAN HORNE, JOHN C., Edward C. Carter II memoir, 173
Victorian mourning practices, and Mount Auburn (Stowe), 296
Viruses, and influenza, and archaeology (Taubenberger), 86
Vision, and Benjamin Franklin (Zewail), 542
VITA-FINZI, CLAUDIO, The Inconstant Sun, 113
Vogt, Evon Zartman, Jr., biographical memoir (Bricker), 517

WALD, PATRICIA M., International Criminal Courts: Some Kudos and Concerns, 241
War crimes, and international courts (Wald), 241
WASHINGTON, WARREN M., Computer Modeling the Twentieth- and Twenty-First-Century Climate, 414
Waves, and Hannes Alfvén (Fälthammar and Dessler), 649
WEISSMAN, IRVING L., Stem Cells: Biology, Transplantation, and Political Ethics, 121
Wilson, Woodrow, and Arthur Stanley Link (Cooper), 679
Wisconsin Model, and William Hamilton Sewell (Hauser, Camic, and colleagues), 201
WOKLER, ROBERT, Sir Isaiah Berlin memoir, 663
WOOD, MICHAEL, Edward Said memoir, 197; Found in Translation: Travels Between Languages, 443
Writing, correcting, and erasing (Stallybrass), 553
Writing Mount Auburn: Language, Landscape, and Place (Stowe), 296

Zero-sum thinking, and Benjamin Franklin (Heilbron), 607
ZEWAIL, AHMED H., Franklin's Vision, 542